

STATUS OF THE CLAIMS

1. (Currently Amended) An apparatus comprising:

a housing, wherein said housing has the shape of a water-dwelling organism;
a coupling device that is physically associated with said housing, wherein said coupling device reversibly couples said housing to an object that is underwater;
a transmitter that is physically associated with said housing;
an energy-storage device, wherein said energy-storage device provides power to at least one of said transmitter and said coupling device; and
a generator, wherein said generator provides power to at least one of said transmitter and said electrical storage device.

2. (Canceled)

3. (Currently Amended) The apparatus of claim [[2]] 1 wherein said housing has a shape of a remora.

4. (Canceled)

5. (Original) The apparatus of claim 3 wherein said coupling device is an electromagnet and further wherein said coupling device is disposed proximal to an anterior portion of said remora-shaped housing.

6. (Currently Amended) The apparatus of claim 1 further comprising a decoupling device, wherein said decoupling device causes said coupling device to de-couple said housing from said object when upon occurrence of a condition.

7. (Original) The apparatus of claim 6 wherein said condition is selected from the group consisting of said object being at or above a desired depth underwater and when said apparatus stops moving.

8. (Currently Amended) The apparatus of claim 1 wherein said generator transmitter comprises[[:]] a piezoelectric polymer
—~~an RC circuit, wherein said RC circuit generates a signal having a desired frequency, and~~
—~~a transducer, wherein said transducer receives said signal and converts it signal selected from the group consisting of an acoustical signal and an optical signal.~~

9. (Currently Amended) The apparatus of claim 1 wherein said ~~electrical storage device comprises a rechargeable battery~~ housing comprises a flexible portion, and wherein said piezoelectric polymer is in the form of a film, and further wherein said film is disposed in said flexible portion.

10. (Currently Amended) The apparatus of claim 1 wherein ~~said electrical storage device comprises a capacitor~~ said housing comprises a first portion and a second portion, and wherein said second portion is physically configured to move independently of said first portion.

11. (Currently Amended) The apparatus of claim 10 wherein said generator comprises a piezoelectric polymer second portion is physically configured to move back and forth as said apparatus moves through water.

12. (Currently Amended) The apparatus of claim 11 wherein ~~said housing comprises a flexible portion, and wherein said a~~ piezoelectric polymer is ~~in the form of a film, and further wherein said film is disposed in said flexible portion coupled to said second portion of said housing.~~

13. (Original) An apparatus comprising:

a housing, wherein said housing has a shape of a remora, and wherein said housing has anterior portion and a posterior portion;

a coupling device, wherein said coupling device is physically associated with said housing proximal to said anterior portion, and wherein said coupling device reversibly couples said housing to an object that is underwater;

a transmitter that is physically associated with said housing;

an energy-storage device, wherein said energy-storage device provides power to at least one of said transmitter and said coupling device; and

a generator, wherein said generator provides power to at least one of said transmitter and said electrical storage device, and wherein said generator is physically associated with said housing proximal to said posterior portion.

14. (Original) The apparatus of claim 13 wherein said posterior portion of said housing is movable and said generator comprises a piezoelectric polymer film.

15. (Currently Amended) The apparatus of claim [[13]] 14 wherein said ~~coupling device is an electromagnet~~ posterior portion is movable from side to side in the manner of a fish swimming.

16. (Original) The apparatus of claim 13 further comprising a decoupling device, wherein said decoupling device causes said coupling device to de-couple said housing from said object when said object is at or above a desired depth underwater or when said object stops moving, or both.

17. – 19. (Canceled)

20. (Currently Amended) A method comprising:

reversibly coupling a housing to an object that is submerged in water, wherein said housing has a posterior portion and an anterior portion, and wherein said posterior portion is movable independently of said anterior portion; and
generating energy by moving said housing through said water, wherein said energy is generated by movement of said posterior portion of said housing[(:)]
~~storing said energy in an energy storage device in said housing; and~~
~~delivering the stored energy to a transmitter in said housing.~~

21. (Currently Amended) The method of claim 20 further comprising: ~~transmitting a first signal through said water~~

storing said energy in an energy storage device in said housing; and
delivering the stored energy to a transmitter in said housing.

22. (Currently Amended) The method of claim 21 further comprising transmitting a signal through said water wherein the operation of transmitting further comprises:

~~generating an electrical signal; and~~
~~transducing said electrical signal into said first signal.~~

23. - 24. (Canceled)

25. (Original) The method of claim 20 further comprising decoupling said housing from said object on occurrence of a condition.

26. (Currently Amended) The method of claim 25 wherein said condition is selected from the group consisting of said object being at or above a desired depth underwater and when said apparatus object stops moving.

27. (New) The method of claim 20 wherein the operation of reversibly coupling a housing further comprises reversibly coupling a housing that has the shape of a water-dwelling organism.